

| | | | | |
|---|--------------------------|-----------------------------------|--------------------------------------|------------------------|
|  ExPASy Home page | Site Map | Search ExPASy | Contact us | ENZYME |
| Hosted by NCSC US Mirror sites: Canada China Korea Switzerland Taiwan | | | | |
| Search <input type="text" value="Swiss-Prot/TrEMBL"/> | | <input type="button" value="Go"/> | <input type="button" value="Clear"/> | |

NiceZyme View of ENZYME: EC 2.6.1.42


| Official Name | |
|---|---|
| Branched-chain amino acid aminotransferase. | |
| Alternative Name(s) | |
| Transaminase B. | |
| Reaction catalysed | |
| L-leucine + 2-oxoglutarate <=> 4-methyl-2-oxopentanoate + L-glutamate | |
| Cofactor(s) | |
| Pyridoxal-phosphate. | |
| Comments | |
| <ul style="list-style-type: none"> Also acts on L-isoleucine and L-valine. Different from EC <u>2.6.1.66</u>. | |
| Cross-references | |
| Biochemical Pathways; map number(s) | B9, B10 |
| PROSITE | PD0C00618 |
| BRENDA | <u>2.6.1.42</u> |
| EMP/PUMA | <u>2.6.1.42</u> |
| WIT | <u>2.6.1.42</u> |
| KYOTO UNIVERSITY LIGAND CHEMICAL DATABASE | <u>2.6.1.42</u> |
| IUBMB Enzyme Nomenclature | <u>2.6.1.42</u> |
| MEDLINE | Find literature relating to <u>2.6.1.42</u> |
| Swiss-Prot | Q93Y32, BCA1_ARATH; O14370, BCA1_SCHPO; P38891, BCA1_YEAST; Q9M439, BCA2_ARATH; P47176, BCA2_YEAST; Q9M401, BCA3_ARATH; Q9FYA6, BCA5_ARATH; Q9LPM9, BCA6_ARATH; O15382, BCAM_HUMAN; O35855, BCAM_MOUSE; O19098, BCAM_PIG; O35854, BCAM_RAT; P54688, BCAT_CAEEL; P54687, BCAT_HUMAN; P24288, BCAT_MOUSE; P54690, BCAT_RAT; O67733, ILVE_AQUAE; O29329, ILVE_ARCFU; P39576, ILVE_BACSU; P00510, ILVE_ECOLI; P54689, ILVE_HAEIN; Q9ZJF1, ILVE_HELPJ; O26004, ILVE_HELPY; Q58414, ILVE_METJA; O27481, ILVE_METTH; O32954, ILVE_MYCLE; Q10399, ILVE_MYCTU; O86428, ILVE_PSEAE; Q92I26, ILVE_RICCN; O05970, ILVE_RICPR; P15168, ILVE_SALTY; O86505, ILVE_STRCO; P54691, ILVE_SYNY3; |

| |
|---|
| P74921, ILVE_THEMA; O31461, YBGE_BACSU; _____ |
|---|

[View entry in original ENZYME format](#)

If you would like to retrieve all the Swiss-Prot entries referenced in this entry, click [here](#).

[ExPASy Home page](#)[Site Map](#)[Search ExPASy](#)[Contact us](#)[ENZYME](#)[Hosted by NCSC US](#)[Mirror sites:](#)[Canada](#)[China](#)[Korea](#)[Switzerland](#)[Taiwan](#)

| | | | | |
|--|--------------------------|-------------------------------|----------------------------|------------------------|
|  ExPASy Home page | Site Map | Search ExPASy | Contact us | ENZYME |
|--|--------------------------|-------------------------------|----------------------------|------------------------|


Search ▼ for


Search in ENZYME for: branched chain aminotransferase

Release 31, May 2003, and updates up to 26-May-2003

Please choose one of the following entries:

2.6.1.42 Branched-chain amino acid aminotransferase.
(AN: Transaminase B.)

| | | | | |
|--|--------------------------|-------------------------------|----------------------------|------------------------|
|  ExPASy Home page | Site Map | Search ExPASy | Contact us | ENZYME |
|--|--------------------------|-------------------------------|----------------------------|------------------------|


| | | | | |
|--|--|----------------------------------|----------------------------|--|
|  ExPASy Home page | Site Map | Search ExPASy | Contact us | ENZYME |
| Search | <input type="text" value="Swiss-Prot/TrEMBL"/> | <input type="button" value="▼"/> | for <input type="text"/> | <input type="button" value="Go"/> <input type="button" value="Clear"/> |

Search in ENZYME for: aspartate transaminase

Release 31, May 2003, and updates up to 26-May-2003

Please choose one of the following entries:

- 2.6.1.1 Aspartate aminotransferase.
(AN: Transaminase A.
Glutamic--oxaloacetic transaminase.
Glutamic--aspartic transaminase.)
- 2.6.1.21 D-alanine aminotransferase.
(AN: D-aspartate aminotransferase.
D-amino acid aminotransferase.
D-amino acid transaminase.)

| | | | | |
|--|--------------------------|-------------------------------|----------------------------|------------------------|
|  ExPASy Home page | Site Map | Search ExPASy | Contact us | ENZYME |
|--|--------------------------|-------------------------------|----------------------------|------------------------|